

LAB ACTIVITY: RADIATION



OBJECTIVE: Students will:

- ✚ Observe, record, interpret and analyze the transfer of heat by radiation;

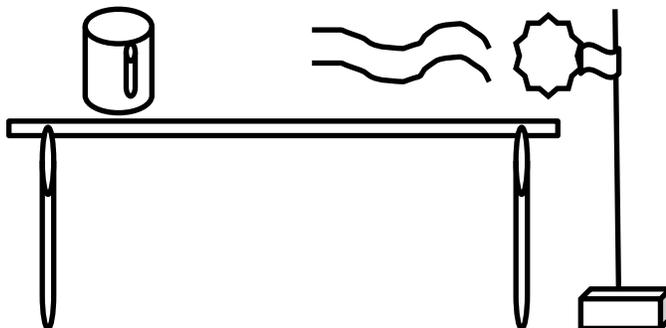
MATERIALS:

- ✓ 1 thermometer
- ✓ 1 glass beaker
- ✓ 1 heat lamp
- ✓ **Student Sheets**

PROCEDURE:

*** Note:** Prior to beginning the actual activity, read through the information on page 1 and 2 of the **Student Sheet** with the class and discuss in detail. Then post the steps below for students to follow:

1. Place one thermometer inside the beaker, upright, facing the heat source, close but not touching the glass sides.
2. Place the beaker about 50 cm away, from the heat lamp. The heat lamp should be positioned to shine straight at, parallel to the table.
3. Turn on heat lamp, record temperature at 1 minute intervals for 10 to 15 minutes.



Teacher Sheet 2

4. Complete the **DATA TABLE: TEMPERATURE READINGS:**
RADIATION

5. Make a line graph for your findings. Be sure to create a title, label each axis, create a key, and color.

Answer the **ANALYSIS** questions.